

### CLAIMS

1. An air deodorizing device having an air flow path from an air inlet to an air outlet, said air deodorizing device comprising:

a filter member comprising a filter element and being arranged with said filter element in interaction with the air flowing along said air flow path, said filter element comprising a filter medium which at least partially comprises sodium bicarbonate; and

an air moving member for moving air along said air flow path, wherein said filter member is associated with and detachable from said air moving member.
2. The air deodorizing device of Claim 1 wherein said filter member comprises a cartridge.
3. The air deodorizing device of Claim 2 wherein said cartridge comprises a top portion and a bottom portion, and said cartridge has one or more air inlets in its top portion, and one or more air outlets on its bottom portion.
4. The air deodorizing device of Claim 3 wherein said air moving member has a top portion with an air inlet therein, and said filter cartridge sits on the top portion of said air moving member so that the one or more air outlets on the bottom portion of said cartridge at least partially in alignment with the air inlet on said air moving member.
5. The air deodorizing device of Claim 1 wherein said air moving member comprises a fan and said sodium bicarbonate in said filter member is sufficiently pervious to air so that said fan can convey air through said filter member.
6. The air deodorizing device of Claim 1 wherein said filter element comprises a container having at least two sides comprised of an air pervious material with said

sodium bicarbonate positioned between said at least two sides of air pervious material.

7. The air deodorizing device of Claim 6 wherein said container comprises a bag made of air pervious material with said sodium bicarbonate therein.
8. The air deodorizing device of Claim 1 wherein said filter medium further comprises activated carbon.
9. A method for deodorizing air in confined spaces comprising:
  - (a) providing a filter member comprising an air moving member and a filter element, said filter element comprising a filter medium which at least partially comprises sodium bicarbonate, and said sodium bicarbonate in said filter member is sufficiently pervious to air so that said air moving member can convey air through said filter member;
  - (b) positioning said filter member inside a confined space; and
  - (c) neutralizing odor in the air of said confined space by drawing the air toward the sodium bicarbonate in said filter member.
10. A method for deodorizing air in a confined space according to Claim 10 wherein said confined space is inside a refrigerator.
11. A method for deodorizing air in confined spaces comprising the steps of:
  - (a) providing a first filter member comprising an air moving member and a filter element associated with said air moving member, said filter element comprising a filter medium which at least partially comprises sodium bicarbonate, and said sodium bicarbonate in said filter member is sufficiently pervious to air so that said air moving member can convey air through said filter member;
  - (b) providing a second filter member comprising a passive filter member;

- (c) positioning said first filter member inside a confined space;
- (d) positioning said second filter member inside said confined space independent from the position of said first filter member; and
- (e) neutralizing odor in the air of said confined space by drawing the air toward the sodium bicarbonate in said first filter member and by allowing air to come into proximity with said second filter member.
11. The method for deodorizing air in confined spaces according to Claim 10 wherein said confined space is inside a refrigerator.
12. The method for deodorizing air in confined spaces according to Claim 10 wherein said confined space comprises a compartment separate from the remainder of said confined space, and said second filter member is positioned inside said compartment and said first filter member is positioned inside said remainder of said confined space.
13. The method for deodorizing air in confined spaces of Claim 10 wherein both said first filter member and said second filter member can be used interchangeably in association with said air moving member and said first filter member and said second filter member are both detachable from said air moving member.
14. The method for deodorizing air in confined spaces according to Claim 13 wherein said second filter member comprises a filter medium that also at least partially comprises sodium bicarbonate.
15. A device for deodorizing air and/or emitting one or more substances into the atmosphere comprising:
- a first deodorizing and/or emitting device comprising an air moving member and a first passive deodorizing and/or emitting member configured for use with said air moving member, said first passive deodorizing and/or emitting member

comprising a first medium, at least a portion of which comprises a first substance that serves to deodorize the air and/or is to be emitted into the atmosphere;

one or more additional deodorizing and/or emitting members comprising passive deodorizing and/or emitting members comprising a medium, at least a portion of which comprises a second substance that serves to deodorize the air and/or is to be emitted into the atmosphere,

wherein said one or more additional deodorizing and/or emitting members can be used interchangeably with said first deodorizing and/or emitting member relative to said air moving member, and at least one of said first or second substances are different.